

What is claimed is:

1. A fluorine gas generator comprising a box-shaped body containing an electrolyzer for fluorine gas generation, said box-shaped body being partitioned into at least two compartments, including a compartment containing said electrolyzer.

2. A fluorine gas generator which comprises
an electrolyzer containing an electrolytic bath composed of a mixed molten salt containing hydrogen fluoride and divided into an anode chamber with an anode disposed therein and a cathode chamber with a cathode disposed therein,

first adsorption means for adsorbing hydrogen fluoride from the fluorine gas discharged from the anode chamber,

second adsorption means for adsorbing hydrogen fluoride from the hydrogen gas discharged from the cathode chamber, and

a box-shaped body containing the electrolyzer, first adsorption means and second adsorption means,

said box-shaped body comprising three compartments, namely a first compartment containing said electrolyzer, a second compartment containing said first adsorption means, and a third compartment containing said second adsorption means.

3. The fluorine gas generator according to Claim 2, wherein each of the first to third compartments is provided with a suction opening for suctioning the internal air.

4. The fluorine gas generator according to Claim 2 or 3, wherein said second compartment contains reservoir means for storing the fluorine gas after passing through said first adsorption means and pressurizing means for pressurizing the fluorine gas from said reservoir means.

5. The fluorine gas generator according to Claim 2, wherein said first compartment contains a water heating device for feeding warm water to said electrolyzer for heating the same.

6. The fluorine gas generator according to Claim 2, wherein said electrolyzer is mounted on a transporting member capable of entering and leaving said first compartment.

7. The fluorine gas generator according to Claim 6, wherein said first adsorption means comprises at least two switchable adsorption columns and each of them is mounted on a transporting member capable of entering

and leaving the second compartment.

8. The fluorine gas generator according to Claim 6, wherein said second adsorption means comprises at least two switchable adsorption columns and each of them is mounted on a transporting member capable of entering and leaving the third compartment.